

Abstract

Systems for providing an authentication service through a number of authentication mechanisms associated with each user. Lists of the authentication mechanisms associated with each user are stored in a set of portfolios, one portfolio for each user. Authentication mechanisms include laptops, PCs, biometric input devices, smart card readers, proximity badge readers, magnetic stripe readers, and the like. The systems have various configurations of registration servers, authentication servers, and authorization servers. Methods for providing an authentication service include relating a user identity to a portfolio, relating a type of transaction to a level of authentication, and authenticating the user identity through one or more authentication mechanisms for the type of transaction, according to the level of authentication required.

"Express Mail" mailing label number: EL873859361US

Date of Deposit: December 12, 2001

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